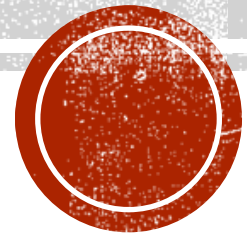# ARTICLE 6 INFRASTRUCTURE
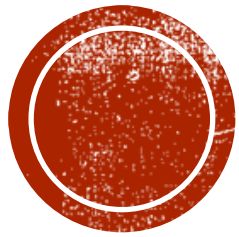
The ITMO Identity Crisis?

"In accordance with Article 4, paragraph 12 of the Paris Agreement, **NDCs** communicated by Parties shall be **recorded in a public registry**"

"2/CMA.3, paragraph 30. The secretariat shall implement an **international registry** for participating Parties that do not have or do not have access to a registry. The international registry **shall be able to perform the functions set out in paragraph 29 above**...."

"Article 7, paragraph 12: The **adaptation communications** referred to in paragraph 10 of this Article shall be **recorded in a public registry** maintained by the secretariat."

"WHAT AM I?"

Under the Paris Agreement, there are more non-mechanism registries than mechanism registries.

"2/CMA.3, paragraph 29. Each participating Party shall have, or have access to, **a registry for the purpose of tracking** and shall ensure that **such registry records**..."

3/CMA.3: Paragraph 54 (**Issuance**). The **mechanism registry** administrator shall, in accordance with the relevant requirements adopted by the Supervisory Body, **issue the A6.4ERs into the mechanism registry**.

"WHAT ARE MY ROLE(S) MODELS?"

Robust cooperative approaches are underpinned by comprehensive regulatory or certification frameworks, where mitigation outcomes (units) are verified and issued on transparent underlying registries.

	ART. 6.2 COOPERATION MODEL	NATURE OF APPROACH	EXAMPLES
1	Party (to Party/ies or entities) accounting for mitigation outcomes from underlying **bespoke bilateral** crediting mechanism	**Unit issuance**: Underlying registry issues units, tags authorized units (if a crediting mechanism) **Transactions**: Between entities and/or Parties **Registry(ies)**: Party-administered	JCM ETSs
2	Party (to Party/ies or entities) accounting for mitigation outcomes from **government-administered** mechanism	**Unit issuance**: Underlying registry issues units, tags authorized units **Transactions**: Between entities and/or Parties **Registry(ies)**: Party-administered	T-VER Article 6.4 mechanism
3	Party (to Party/ies or entities) accounting for mitigation outcomes from **independently-administered** mechanism	**Unit issuance**: Underlying registry issues units, tags authorized units **Transactions**: Between entities and/or Parties **Registry(ies)**: Program-administered	ACR, Gold Standard, Isometric, etc.
4	Party (to Party/ies or entities) accounting for mitigation outcomes from **projects using standalone methodologies**	**Unit issuance**: 6.2 registry issues ITMOs (units) **Transactions**: Between entities and/or Parties **Registry(ies)**: As proposed, expect to use 6.2 int'l registry | potentially Party registries	Some early cooperative approaches

There's **MO** **to** **IT**

1. Underlying mitigation actions reduce or remove GHGs

2. Results are verified as real, additional according to a robust certification mechanism (as credits / units) or regulatory framework (ETSs)

✓

3. Party authorization of use of mitigation outcomes (in form of, e.g., units or ETS-derived amount) for [Purpose]. Specifies first-transfer as **issuance** (any volume from [activities / types] in [mechanism / registry].

= Identify **mitigation outcomes covered by the authorization**. ◯

4. Y activity types **issue units**.

First-transfer is triggered.

Mechanism reports to Party [monthly] on issued volumes of mitigation outcomes covered by authorization.

5. • **[Monthly]**: Party records data, info on the first-transferred mitigation outcomes in its registry/account

• **Annually**: Party compiles all new registry/account data, info in AEF, records this in A6 Database

• **Biennially**: Party applies adjustments for first-transferred outcomes in BTR

"WHERE DO I COME FROM?" – ITMO, 2024

==What's needed for infrastructure to support effective 6.2 guidance implementation:==

• ==Shared understanding of the lifecycle of internationally transferred mitigation outcomes==

• ==Transparent underlying unit registry systems (as ITMO information source)==

• ==Clear, decisive guidance.==

ITMOs ●

"WHY AM I HERE?"

Under the Paris Agreement, there are more non-mechanism registries than mechanism registries.

6.2: Tracking, Record-keeping

- **Content**: Information | Data | Records on ITMOs

- **Function**: Tracking and recording Party ITMO actions

- **Starting from**: First transfer of mitigation outcomes.

- **Actions and records**: Records information and data on authorization, first-transfer, acquisition, etc.

- **Accounts**: For ITMOs as necessary | Enable the tracking and recording of information in relation to the ITMO actions they record | For Parties, if requested, in international registry.

6.4: Mechanism ER Transactions

- **Content**: 6.4 ERs

- **Function**: Tracking 6.4 ERs "as units" (7/CMA.3, Annex I, paragraph 28)

- **Starting from**: Issuance of 6.4 ERs

- **Transaction procedures**: "Performs…" issuance, forwarding, first-transfer, cancellation, retirement, etc.

- **Accounts**: For each Party and authorized public or private entities | Pending | Holding | Retirement | Etc.

"WHY AM I HERE?"

Under the Paris Agreement, there are more non-mechanism registries than mechanism registries.

6.2: Tracking, Record-keeping	6.4: Mechanism ER Transactions
Responsibility for tracking underlying mitigation outcomes and activities, avoiding double-counting: Each participating Party (2/CMA.3, Annex I, para 18)	**Responsibility for tracking underlying mitigation outcomes and activities, avoiding double-counting**: Secretariat | Supervisory Body | Operations of the registry (TBD)
Interoperability: Across Party registries and the mechanism registry, enabling <u>transfer of internationally transferred mitigation outcomes</u> (info, data, records relating to).	**Interoperability**: Connection to international registry enables automated <u>pulling and viewing of data and information</u> on holdings and the action history of authorized A6.4ERs.

...trating 6.57 tCO₂e removal from Great Plains Organic Waste Sequestration on 01 Jul 2024

Data points (22)

Name	Value	Collection method
Mass of waste biomass	22.108 t	REPORTED
CO2e eq mass of C	3.666667	CONSTANT
Mass of lab samples	0 kg	DERIVED
Distance to lab	490.85 km	STANDARD PUBLISHED VAL
lab sampling truck emissions factor	0.24 kgCO₂e/km/t	STANDARD PUBLISHED VAL
Attribution factor	0.00 %	STANDARD PUBLISHED VA
Volume of concrete used in facility	367.428 t	DERIVED
Concrete emissions factor	152.73 kgCO₂e/t	STANDARD PUBLISH
Processing & Injection energy use	80.00 kWh	REPORTED
Pump embodied emissions factor	0.01 kgCO₂e/MJ	STANDAR

Sequestrations   6.773 t   −   Activities   208 kg   −   Counterfactuals   0 kg

...ssing and Injection   55 kg   +   Collection and Transport   153 kg

...on Transport Front   0 kg   +   Biomass Transport Fuel Usage Empty Emissions   71 kg

Parties that engage in cooperation based on existing certification mechanisms and their unit registries are best positioned to access international carbon market-based finance and underlying registry technology that is rapidly advancing (in terms of transparency, granularity, usability).

"WHAT DO I WANT TO BE?"

Parties' engagements with international carbon markets should be at least as robust as the expectations that those have set for themselves...

...to maximize Parties' ability to attract finance for and achieve domestic mitigation actions.

"HOW DO I GET THERE?"

- Love or hate "mechanisms" (6.4, domestic, independent), they are consistent with the global shift toward comprehensive, high-integrity crediting frameworks.

- Mitigation outcomes generated using standalone methodologies and issued on a 6.2 registry will have limited to no access to alternative revenue streams (incompatible with CORSIA, IC-VCM CCPs, most other frameworks / statements on unit quality).

- Where such mitigation outcomes are issued on the international registry, the host Party (eventually, all Parties) will be responsible for resourcing the continued oversight of any excess units long after a cooperative approach concludes.

"HOW DO I GET THERE?"

- Questions to consider: Where and how can Parties be supported to cooperatively develop or utilize existing robust mechanisms and their registries, and to obtain information from them for 6.2 purposes?

- What's needed for existing registry systems to work for 6.2 cooperation and for transparency (for public and reviewers)?
  - Pulling and viewing of information from third-party registries in 6.2 international registry accounts?
  - Information in authorizations…
    - Identifying the underlying mitigation outcome registry?
    - On how any mechanism registry used provides for access to and transparency of information on mitigation outcomes covered by an authorization?
    - On how the underlying mechanism /registry provides for administration of the underlying mitigation outcomes covered by the authorization, consistent with the terms and conditions of authorization?